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# urban HORTICULTURE

**UNIVERSITY OF WASHINGTON** COLLEGE OF FOREST RESOURCES **WINTER 2005**


2 GRAND OPENING OF MERRILL HALL

4 MILLER LIBRARY NEWS

5 CONIFER DIEBACK IN THE PACIFIC NORTHWEST

6 NEWS FROM CUH AND WPA

7 VOLUNTEER NEWS AND OPPORTUNITIES

8 CLASSES AND PROGRAMS

11 YOUTH AND FAMILY PROGRAMS

13 EVENTS CALENDAR

15 REGISTRATION FORM

16 DIRECTOR'S NOTES

photo by Sue Nicol

## Merrill Hall Celebration on January 19!

The Center for Urban Horticulture invites you to celebrate the grand reopening of Merrill Hall on Wednesday, January 19 with a ribbon cutting at 1:30 p.m. UW President Mark Emmert, Dean Bruce Bare, CUH Acting Director John Wott, and other dignitaries will be on hand to cut the ribbon, enjoy tours and refreshments, and celebrate with donors, friends, and well wishers. The Phoni Ventorum Woodwind Quartet will perform a world premier piece titled "A Healing", written by Will Ayton, Professor of Music at Roger Williams University in Providence, Rhode Island. This work of art is dedicated to "the staff, students, and friends of the Center for Urban Horticulture" in remembrance of the fire and rebuilding.

Also opening that day is a juried show of botanical art. The Pacific Northwest Chapter of the American Society of Botanical Artists will present its first biennial exhibit titled "Contemporary Botanical Art of the Pacific Northwest." This show of original work will be on display in Merrill Hall from January 19 until February 19, 2005 during Miller Library hours.

CUH will also host an Open House on Saturday, January 22 from 10 a.m. until 2 p.m. See page 2 and the CUH web site *(www.urbanhort.org)* for more information. *(continued on page 3)*

CENTER *for* URBAN HORTICULTURE

# SPECIAL EVENTS

## Merrill Hall Ribbon Cutting & Reception

**DATE & TIME:** Wednesday, January 19, 2005 at 1:30 p.m.

**LOCATION:** Merrill Hall, Center for Urban Horticulture

**FEE:** Admission is free. For more information, phone 206-685-8033.

Help us celebrate the grand reopening of Merrill Hall at the Center for Urban Horticulture. President Mark Emmert will lead a contingent of donors, university officials, dignitaries, state legislators, friends, faculty, staff and students to cut the ribbon and celebrate the completion of this significant milestone. Festivities include a world premier musical presentation by the Phoni Ventorum Woodwind Quartet titled "A Healing". An art show of botanical art sponsored by the PNW Chapter of the Botanical Illustrator's Society of Americaopens this day. It will be displayed until February 19 during Miller Library hours. Come enjoy refreshments and tours of the new Merrill Hall.

## Merrill Hall Open House

**DATE & TIME:** Saturday, January 22, 2005 from 10 a.m. until 2 p.m.

**LOCATION:** Merrill Hall, Center for Urban Horticulture

**FEE:** Admission is free

CUH also invites you to an informal open house on Saturday January 22. Starting at 10 a.m., project architect Craig Curtis of the Miller/Hull Partnership will give a lecture on the sustainable features of Merrill Hall . Following the lecture, tours of the new Merrill Hall will be offered until 2 p.m. Members of the PNW Chapter of the American Society of Botanical Art will be on-hand to anwer questions about their art show. Representatives from the firm of Urban Hardwoods will be available to answer questions about creating beautiful hand-made furniture from salvaged urban hardwood trees. For more information on activities scheduled, please check the website at *www.urbanhort.org*.

## Sustaining our Northwest World: Punctuation, Exclamation, and Accentuation

### Dan Hinkley, speaker

**DATE & TIME:** Thursday, March 10, 2005 at 7 p.m.

**LOCATION:** Kane Hall on UW Campus, Room 110

**FEE:** $5 general admission; $4 UWAA member. For more information and to register, contact the UW Alumni Association at 1-800-AUW-ALUM.

The College of Forest Resources and the UW Alumni Association are co-sponsoring a series of lectures titled "Sustaining our Northwest World". CFR alumnus Dan Hinkley has been selected as the featured speaker on March 10. He will discuss the importance of form and textural contrast in garden design and plant selection. Professors Jim Agee and Gordon Bradley are also speaking as part of this series. On February 20, Professor Agee will speak on "Forests Aflame: Strategies and Challenges for Managing Fire in the West". On February 24, Professor Bradley will speak on "Who Shapes the Visual Landscape.....and Does it Matter?"

*(Continued from page 1)*

The long process of rebuilding started the day after the May 2001 fire. Coming back from the fire's devastation during a downturn in the national and state economies took its toll on the staff, faculty, students, and supporters who have tirelessly worked to get the building rebuilt. The fire destroyed the main administrative area of CUH. This included four labs, offices for 30 people, the Miller Horticultural Library, the Hyde Herbarium, and set back faculty and student research several years. TheWSU Cooperative Extension and Master Gardener programs also suffered devastating losses to their programs, also housed in Merrill Hall.

Merrill is one of the first buildings in Seattle to be considered "green". Green buildings are epitomized by the acronym, LEED™, which stands for Leadership in Energy and Environmental Design. Created by the U.S. Green Building Council, it is the standard rating system by which green buildings are measured in the U.S. There are many features in Merrill Hall that work toward achieving a green rating. Come tour Merrill in the next few months and learn all about them. The City of Seattle now requires all new city buildings to achieve a LEED™ "Silver" rating, which is the third highest rating possible. Merrill Hall is hoping to achieve LEED™ Silver, but it will take a few months to know whether this goal was achieved.

## Sustainable Features in the new Merrill Hall

- **Water use reduction:** Waterless urinals and low-flush toilets help to reduce water use in the new building by more than 35%.
- **Irrigation monitoring:** By linking the irrigation system to a campus weather station, sprinklers only turn on when needed.
- **Stormwater recyling:** A 2,200 gallon underground cistern will store roof runoff to be used to water the demonstration green roof, located at the Courtyard level for easy viewing.
- **Natural ventilation** uses strategically located windows and fans to draw warm air up and out.
- **Solar panels** located on the Miller Library roof will generate enough electricity to serve the lighting needs of the building's main floor.
- **Green roof** plantings help to reflect heat and thus reduce the urban "heat island" effect.
- **Building materials** contain few volatile organic compounds normally present in paints, glues, sealants, and carpets.
- **Recycled/renewable products** include a bamboo floor, straw board cabinets, furniture hand crafted from salvaged urban trees, and recycled concrete.

Hand-crafted benches, chairs, and tables made by Urban Hardwoods will grace the public spaces in Merrill. This company salvages dead and downed urban trees to create beautiful works of art.

## With Many Thanks

The rebuilding of Merrill Hall would not have been possible without the generous support of the following individuals and organizations:
University of Washington ♦ UW College of Forest Resources ♦ Washington State University ♦ Northwest Horticultural Society ♦ Pendleton and Elisabeth Carey Miller Charitable Foundation ♦ Bullitt Foundation ♦ Master Gardener Foundation ♦ Peach Foundation ♦ Patsy Collins ♦ Yugi Koide and members of the Japanese horticultural community ♦ the Hinckley family ♦ Seattle Garden Club ♦ Mary Robson ♦ Simpson Investment Company, Office of the Chairman ♦ Urban Hardwoods ♦ Davis Wright Tremaine ♦ Chen Ragen, LLC ♦ more than 500 other individuals, groups and businesses

# Miller Library News

## Winter at the Miller Horticultural Library

As you read about the library's activities for the winter, you'll notice the word new repeated again and again. That's how the world feels as we prepare to shed a tight skin and show off an exceptional new facility in Merrill Hall. Our top priority is making sure that visitors have all the information they need when using the library. What a comfortable place to spend a winter's day, reading and dreaming about the gardening seasons to come! Please join us as we settle into our new home.

The new Miller Library will open for business January 10, 2005.

## Library Hours During the Move

As the job of shifting library materials from the current, temporary space to the new permanent location next door proceeds, please note the temporary revised hours:

**Through Friday, December 17, 2004**
Normal hours

**December 18, 2004 through January 9, 2005**
Closed for the move

**January 10, 2005**
Full Open Hours and Services
Mondays: 9 am–8 pm
Tuesdays – Fridays: 9 am–5 pm
Saturdays: 9 am – 3 pm

## New Horticultural Magazines from Down Under and Over There

The staff of the library are always seeking out new resources to pique the interest of Northwest gardeners. New periodical subscriptions include *New Zealand Gardener* and *Gardening Australia.* Both magazines offer spectacular color photography, gardening tips and new design concepts. Many of the gardens look like they would slip easily into Northwest environments and lifestyles.

Less down under, and more over there, is *The Scottish Gardener. This is* another new and lively periodical that shows a country more lush than dour, with plenty of ideas well-suited for Northwest climates. Look for these new publications on the monthly periodical shelves.

## New Topics Join the List of Booklists

A favorite service provided by the staff librarians are the booklists; these compilations of resources, focused on a single subject area, are staff recommendations for the best sources of information.

More than 80 lists cover topics from alpine gardens to water features with greenhouses and organic gardening in between. New or newly revised and updated lists include Annuals and Biennials, Bulbs, Garden Construction, Green Roofs and Rooftop Gardens, Perennials, and Plant Identification and Restoration Ecology. In addition to the many books listed, you will also find magazine articles, interesting websites and relevant organizations and periodicals. The full list of available booklists are on the library's website at *www.millerlibrary.org*. Click on **resource center** to locate the drop-down box containing the lists.

# Conifer Dieback in the Pacific Northwest

**CAROL ORION, MILLER LIBRARY LIBRARIAN**

During the past eight months, the Plant Answer Line has been inundated with questions about conifer dieback. The concern is that the dieback goes far beyond normal shedding of old needles on the trees' interior, and beyond a few isolated specimens. The problem will probably become especially noticeable this winter when trees are more exposed and visible. Reasons for dieback of specific conifers are difficult to determine. Many factors can be responsible, including fungi, bacteria, low temperatures, drought, poor drainage and aeration, chemical toxicities, and boring or scale insects. Homeowners will need to consult an arborist for accurate diagnosis.

The magnitude of this current dieback in the Pacific Northwest has generated concern beyond the home landscape. The most prevalent theory is prolonged drought stress. Dave Peterson of the Northwest Region Landscape Architecture Office recently stated in the *Seattle Post-Intelligencer* that trees are showing signs of dehydration. This could be due to any number of factors, including the hot summer in 2002, the warm spring in 2003, normal natural thinning of a particular tree grouping or not enough water to accommodate warm conditions.

Peterson noted that the last two summers have been unusually dry and warm, and described one area of I-90 near North Bend where about twenty percent of the mature roadside trees were lost. The situation continues to be monitored, since no one is sure if this is an anomaly or a trend.

Also, data from the Washington State Department of Natural Resources confirms that Washington state has experienced summer drought conditions for the last five years. In 2002, it stayed abnormally dry until well into November, with July through October being the driest on record for some areas. Additionally, the winter of 2000-2001 was the driest on record for Washington as a whole.

## Drought symptoms seen years later

Damaging effects of these conditions don't always appear immediately. Many woody plants can take up to three years before displaying negative long-term effects. One common long-term effect of drought is stem dieback, which is a result of the loss of fine feeder roots. As soils become dry during the hottest summer months, the fine roots in the upper soil surface may increase in number to absorb what little water is available. However, these new roots begin to die if soils remain dry, thus putting the root system out of balance with the amount of canopy growth. When rain returns, the plant may not be able to take full advantage of this much-needed water because of its reduced root mass. The result is a resizing of above-ground growth through branch die-back. If drought persists into the next growing season or recurs before the tree can fully recover, it may die.

Secondary effects of drought include increased susceptibility to pests and diseases. Many pests cannot survive in a healthy tree. Trees and shrubs get weaker when the lack of water slows their growth in comparison to the rate of damage, The pests are then able to rapidly invade the plant. Drought-stressed trees also exhibit a reduced ability to compartmentalize or isolate small wounds, which allows pathogens to invade and colonize successfully.

Homeowners can protect their landscapes by using native (or adapted native) plants, mulching, and watering wisely during hot summer months. Tips for 'wise watering' will be included in the next *Urban Horticulture Newsletter.*

**Sources:**


- *http://www.umassdroughtinfo.org/agriculture/long_term_drought.html*
- *http://seattlepi.nwsource.com/transportation/181704_get12.html*
- *'Arboriculture; Integrated Management of Landscape Trees, Shrubs, and Vines,'* by R. Harris et al, 2004, p. 457.


Plant Answer Line

**The Plant Answer Line is open from 9 a.m. until 5 p.m. Monday through Friday. Call UW PLANT, 206-897-5268, or e-mail your question to: *hortlib@u.washington.edu***



**Tour the new Miller Library on Mondays February 7 and March 7 at 7 p.m. No reservations required. The Library will also open for events on January 12, March 9, and March 20. Phone 206-543-0415 for more information.**

## WPA Staff Plant Favorites

The Arboretum's Winter Garden is a feast for the senses during our bleakest season. Those who work in the Garden daily know the plants best. WPA Gardener Karen Stener selected the Chinese Red Birch, *Betula albo-sinensis var. septentrionalis,* as her favorite. Her description says it all: "Its creamy bark seems to glow in the soft light of winter, and when back-lit by the diffused winter sun, the beauty of the tree creates a sense of wonder and luminescence."

Another staff favorite is *Corylus avellana 'Contorta'* or Harry Lauder's Walking Stick. Ryan Garrison is partial towards this shrub because "in the summer it is easily overlooked; but when it loses its leaves, a beautifully intricate structure of twisting stems punctuated with the hazelnut's distinctive catkins is revealed."

The garden is certain to cheer up even the darkest of spirits, so come and partake. Its location, only a few steps away from the Visitors Center, is found on a printable Arboretum trail map at *http://depts.washington.edu/wpa/html/wpa02trailmap.pdf.*

photo courtesy of Oregon State University

**Corylus avellana 'Contorta' with its interesting form and lovely catkins is just one reason to visit the Winter Garden this season.**

## Eagle Scout Project in UBNA

Thanks to Erik Schmidt, an Eagle Scout with Unit No. 86 of the Chief Seattle Council, the Union Bay Natural Area has some new native plant display beds. Eric procured the materials and built six 4' x 6' raised beds which will soon include native plants such as *Eriophyllum lanatum* and *Potentilla gracilis.* Look for the displays adjacent to the northern interpretative sign on Wahkiakum Lane.



# Arboretum Foundation News and Events

**For information on the Arboretum and its programs, please visit the website at *www.wparboretum.org.* Event information is found at the foundation website: *www.arboretumfoundation.org***

## Arbor Eden: The Preview Gala
### Tuesday, February 8

Be one of the first to see the magnificent display gardens at the Northwest Flower & Garden Show. Arbor Eden, the 2005 preview gala, is an opportunity to view the show at its freshest, while enjoying delectable Northwest cuisine with a Creole flair, premium wines, a spectacular silent auction and a Mardi Gras-style jazz band.

Produced by the Arboretum Foundation to benefit Washington Park Arboretum, the 17th annual preview gala is scheduled for February 8, from 6:30 to 9:00 p.m., at the Washington State Convention & Trade Center. Tickets sell for $100 to $500. Early 5:00 p.m. admission, a bids & beverages reception and premium desserts are available at the $250 or $500 ticket levels. Tickets and information are available at 206-325-4510, *www.arboretumfoundation.org* and the Arboretum's Graham Visitors Center.

## Greenhouse Plant Sales

Ongoing plant sales every Tuesday from 10 a.m. to noon, Pat Calvert Greenhouse. Plants grown from Arboretum collection cuttings.

## Arbor-Read-Em Book Sale

Saturday, March 5, 10 a.m. to 4 p.m.

Thousands of used book titles at very economical prices: gardening, popular fiction, science fiction, biography, history, science, children's, health, regional interest, collectibles and much more. Sale will be at the Graham Visitors Center.

# volunteer NEWS AND OPPORTUNITIES

## Volunteers Needed for CUH Children's Garden

The former Soundscape Garden located on the western edge of CUH is being transformed into a fun and funky children's garden. CUH graduate students designed and installed the garden as part of their course work for EHUF 480 and 482. With University of Washington family housing and day care facilities just across the street, the location is ideal for a children's garden. The innovative and interactive design will eventually include a whimsical spinning statue, water-squirting frogs resting on lily pads, and a recycled glass pathway with dancing lights underneath.

To guide visitors to the garden, a new path was cut from the sidewalk and two new planting beds were installed. Plants were selected according to their soil requirements, water-use, and non-poisonous characteristics. Child-unfriendly plants with toxic plant parts or sharp spines (barberries and *Nandina*, for example) were removed from the beds, and replaced by "child safe" plants such as lavendar and woolly thyme. Plans include a tunnel through a weeping white pine *(Pinus strobus 'Pendula')* into a play room encircled by *Acer rubrum 'Columnare'*.

Work continues on this project, but there is still much to be done! If you have some extra time and get the urge to dig in the dirt for a worthy cause, please call Barbara Selemon at 206-685-2613. All levels of gardening expertise and interest are welcome and appreciated. To see the entire scope of the project, visit its website at *http://staff.washington.edu/tls2/EHUF_482.htm.*

## Volunteer at the Arboretum

**Tuesdays in the Garden:** Volunteers care for Arboretum plant collections and manage invasive weeds. Become a regular Tuesday gardener every week from 12:30 to 3:30 p.m. Phone David Zuckerman at 206-616-4050.

**Guides for Saplings School Programs**
Washington Park Arboretum introduces students in grades K-8 to plant science and Arboretum collections through the Saplings School Programs, offered Monday - Friday during the school year. Volunteer Saplings guides are asked to commit to lead one program weekly for 10 weeks plus attend one 3 hour training session. All levels of experience are welcome! Please call the WPA Education Department for details at 206-543-8801.

**WPA Information Desk:** Greet visitors, share your enthusiasm, answer questions, and interact with staff and other volunteers. Shift times are either half or whole days once a week. Phone Brett Mercier at 206-543-8800.

**The Arboretum Curation Office** needs volunteers for both field work (plant inventories, labeling) and office work (updating records, drafting collection maps). Volunteers are also needed to collect and process seed for the International Seed Exchange. Thursday and Friday, flexible hours. Contact Randall Hitchin at 206-616-1118.

## Volunteer at CUH

**CUH Reception Desk:** Enjoy the pleasant surroundings of the new Merrill Hall and help our visitors experience all that CUH has to offer. Help out with phone calls, light office work, and answering general questions about the gardens and facilities. Call Ray Larson at 206-616-9113.

**Union Bay Gardeners** are needed to perform seasonal maintenance tasks at the Union Bay Gardens located at CUH. Contact Barbara Selemon at 206-685-2613.

**Volunteer for Rare Care Program:**
Participate in the conservation of our state's rare and native plant population by volunteering as a rare plant monitor (training March 12) or rare plant seed collector or processor. Please phone Kim Frappier at 206-616-0780 or email *rarecare@u.washington.edu.*

**Seattle Youth Garden Works** is an employment-training program for homeless and under-served youth. Volunteers are needed to help with youth mentoring, garden maintenance, fundraising and to serve on our advisory board. Please contact the Volunteer Coordinator at 206-525-1213, ext. 4131 for more information.

# classes AND PROGRAMS

## Botanical Illustration

**DATES & TIMES:** *Nine-part course: Feb. 15, 22, March 1, 8, 15, 22 & 29, April 5 & 12*
**INSTRUCTOR:** *Louise Smith, Botanical Illustrator*
**LOCATION:** *Douglas Headhouse, CUH*
**FEE:** *$225; pre-registration required*

This introduction to classical botanical art takes a step-by-step approach to skill building. The course progresses from lessons in accurate botanical drawing to exercises in watercolor wash, graded wash, and dry brush technique. Homework is required. Students should bring paper, pencil, eraser and a ruler to the first night of class. The materials list will be provided at the first class and some supplies may be purchased at discount from the instructor or independently.

## These are Not Your Grandmother's Rhododendrons!
### Rhododendrons for the Urban Garden

**DATE & TIME:** *Saturday, March 5, 9 a.m. to noon*
**INSTRUCTORS:** *Steve Hootman, Curator of the Rhododendron Species Botanical Garden, and board members of the Seattle Rhododendron Society*
**LOCATION:** *Douglas Classroom, CUH*
**FEE:** *$25; $22 Arboretum Foundation members; pre-registration required*

Rhododendrons are among our most underappreciated northwest shrubs. The Seattle Rhododendron Society is teaching this class to spread the word about the lovely and unusual hybrid and species rhodies available that are so dfferent from the common rhodies found in our yards. Some have fuzzy leaf undersides; others have multi-toned blooms. Pick your flower color or bloom time.

The class will include tips on how to combine rhodies with other shrubs and perennials to accentuate their year-round appeal. Rhododendrons suitable for rock gardens, containers, borders, or specimen and structural interest will be presented. Practical advice about selection (including sources), planting, and maintaining rhodies will be discussed.

## Rose Pruning Workshop

**DATE AND TIME:** *Wednesday, February 16, 7 to 8:30 p.m.*
**INSTRUCTOR:** *Julie Kintzi, Senior Gardener at the Woodland Park Rose Garden*
**LOCATION:** *Douglas Classroom, CUH*
**FEE:** *$25; $22 Arboretum Foundation Members; preregistration required*

Rose gardener Julie Kintzi cares for the 5000 roses at the Woodland Park Rose Garden. In this workshop, students will learn how to prune hybrid tea roses, floribundas and climbers as well as receive hands-on practice. Topics will include planting basics, some recommended rose varieties, least-toxic pest and disease control, and fertilizers. There will be plenty of time for questions. Hand pruners will be provided if you don't own any, but bring gloves to handle the roses. Handouts are included.

## Creating Spaces: A Landscape Architect's Approach to Garden Design

**DATE & TIME:** *Tuesday, March 8, 7 to 8:30 p.m.*
**INSTRUCTOR:** *Brooks Kolb, ASLA, Landscape Architect*
**LOCATION:** *Douglas Classroom, CUH*
**FEE:** *$25; $22 Arboretum Foundation Members; preregistration required*

Learn how to create and define outdoor spaces, using a large repertoire of garden design elements such as paths, terraces, decks, fences, arbors and walls as well as plants. Plant composition is only one aspect of a garden plan. Just as important is how garden rooms are defined functionally and stylistically to invite us in and respond to our outdoor living needs.

Brooks Kolb owns the firm of Talley & Kolb, Inc. and is past-president of the WA Chapter, American Society of Landscape Architects. He has over 25 years of experience as a landscape architect, including 10 years designing residential gardens in the greater Seattle area. He will discuss the role of budget-setting in the design process and provide tips to help beginners and experienced gardeners alike.

## The Search for Order in the Universe (of Libraries): ♦Books, Videos ♦Periodicals

**DATES & TIMES:** *Books, Videos: Wednesday March 9, 7 to 8:30 p.m.*
*Periodicals: Wednesday March 16, 7 to 8:30 p.m.*
**INSTRUCTORS:** *Miller library staff*
**LOCATION:** *Miller Library, CUH*
**FEE:** *$10 per class; pre-registration required.*

The library's move into expansive new quarters will make access to its resources easier to use than ever. A great way to gain a thorough overview of the library is to take one or both of these classes on Seeking Information Order. The Books and Videos class will focus on making best use of the library's catalog with an emphasis on books and videos. The Periodicals class is a repeat of a popular fall quarter program on getting the most information possible from the library's list of periodicals. Whether you are a student doing research, a professional seeking visuals and solutions, or an amateur planning a new garden, these tools can make your search more productive and enjoyable.

## Fruit Tree Grafting

**DATE & TIME:** *Saturday, March 19, 9 a.m. to noon*
**INSTRUCTOR:** *Bill Davis, Board Member of Western WA Fruit Research Foundation*
**LOCATION:** *Douglas Headhouse, CUH*
**FEE:** *$30; includes supply fee of $6; pre-registration required.*

Learn the basics of fruit tree grafting in this hands-on workshop. Bill Davis will demonstrate grafting methods suitable for spring, including a splice graft, whip and tongue graft, cleft graft and a bark graft. You will also learn about the necessary tools, how to safely sharpen knives, and how to collect and properly store scionwood. Students will have the opportunity to graft their own dwarf apple tree to take home; rootstock and scionwood are included in course fee. Grafting knives will be available for students to use during class.

## Arbors and Trellises

**DATE & TIME:** *Saturday, February 26*
*Section 1: 10:30 a.m. to 12:30 p.m.*
*Section 2: 1:30 to 3:30 p.m.*
**INSTRUCTOR:** *Tom Penticoff, owner of Garden View Landscaping*
**LOCATION:** *off-site; map provided at registration*
**FEE:** *$25; $22 Arboretum Foundation members; pre-registration required.*

Arbors and trellises can transform an ordinary garden spot into a place with personality. This class proved to be so popular in the fall we are offering it again this winter. Tom Penticoff will take you through design considerations, a discussion of the materials needed (including options, determining amounts needed, costs, and where to find them), tools required and their use, plus a demonstration of the construction techniques and tricks necessary to complete projects on your own. Class will be held at Tom's home where examples of completed and in-process projects can be seen.

## Basic Pruning

**DATES & TIMES:** *Part 1: Tuesday March 22, 7 to 9 p.m.*
*Part 2: Saturday March 26, 10 a.m. to noon*
**INSTRUCTOR:** *Cass Turnbull, Certified Arborist*
**LOCATION:** *Douglas Classroom, CUH*
**FEE:** *$30 for Part I only; $55 for both Parts 1 and 2; pre-registration required.*

Cass Turnbull, Certified Arborist and founder of Plant Amnesty, returns to teach this popular course on introductory pruning. The Part 1 evening lecture will cover tools, proper techniques and seasonal timing for various ornamental shrubs and small trees. The Saturday morning session will be held at one student's garden, location to be determined in the evening session, and will demonstrate the practices covered in the lecture. Please dress for the weather on Saturday. This class is eligible for Cass Turnbull's Master Pruner Program credit.





Register by phone using Visa or MasterCard, 206-685-8033
To register by mail, complete and send in the registration form on page 15.

## New Plants for the NW Garden

**DATE & TIME:** *Thursday March 24, 7 to 9 p.m.*
**INSTRUCTOR:** *Fran Sharp, Sales Manager for Briggs Nursery*
**LOCATION:** *Douglas Classroom, CUH*
**FEE:** *$25; $22 Arboretum Foundation members; pre-registration required.*

Briggs Nursery is a northwest leader when it comes to introducing interesting plants that grow well in northwest gardens. Among the plants to be covered: the darkest, most sensational Agapanthus yet to be released, an elegant, bright gold grass that will grow in our shady gardens, and a lovely new Daphne that's easy to grow! You'll hear about their maintenance needs as well as the stories behind their development.

# practical gardening lectures

**These lectures and demonstrations are planned jointly with WSU Extension and other non-profit partners. They are presented by experienced WSU Extension Master Gardeners or local experts.**

## All About Roses

**DATE & TIME:** *Tuesday, February 22, 7 to 8:30 p.m.*
**INSTRUCTOR:** *Don Morrow, Master Gardener*
**LOCATION:** *Douglas Classroom, CUH*
**FEE:** *$10; pre-registration required*

Don Morrow, longtime Seattle Rosarian and caretaker of roses at the Master Gardener Demonstration Garden, will cover all those things about roses that you never get to hear about. For instance, their history and symbolism during times of war and peace. Plus how to tell a floribunda from a grandiflora and how those are different from David Austen and hybrid tea roses. Don will also discuss the rose classification system and how to use this rating system to find quality roses for your garden. He'll also fill us in on some of his personal favorite roses.

## From the Ground Up: Baskets from Garden Plants

**DATE & TIME:** *Thursday March 10, 7 to 8:30 p.m.*
**INSTRUCTOR:** *Pat Reese, Master Gardener*
**LOCATION:** *Douglas Classroom, CUH*
**FEE:** *$10; pre-registration required*

Many perennials, vines, branches and runners can be transformed into charming and useful baskets. All that's needed is a little know-how. Master Gardener and basketmaker Pat Reese will identify usable basketry plants and introduce basic techniques as she leads you on a creative detour from the compost pile.

## Our Watershed Web

**DATE & TIME:** *Tuesday, March 1, 7 to 8:30 p.m.*
**INSTRUCTOR:** *People for Puget Sound staff*
**LOCATION:** *Douglas Classroom, CUH*
**FEE:** *$10; pre-registration required*

Puget Sound is much more than just its namesake waterway. In a relatively small area of land we have a dynamic watershed and complex food web that connects species as diverse as orcas and Douglas fir trees. People for Puget Sound is a grass-roots non-profit organization that has been actively involved since 1991 in protecting the land and waters of Puget Sound. Staff members will help us explore the connections between our fresh and saltwater ecosystems, how they fit together in an elegant web to support many of the familiar creatures who share this habitat with us, and how our role as citizens can help or hurt this web.

# youth and family programs

**For more information or to schedule the following programs, contact the Arboretum Education Office, weekdays at 206-543-8801.**

## Saplings School Programs

Washington Park Arboretum becomes nature's classroom for Saplings School Programs, educational tours for students in grades K-8. The 90-minute programs are held Monday through Friday mornings during the school year. Cost is $2.50 per child. The Saplings program curricula are aligned with the Washington State's Essential Academic Learning Requirements. Please call to reserve a date at least three weeks in advance.

**Discover Plants:**
**Grades K-2**
Younger students gain exposure to the wonderful world of plants through a guided Arboretum tour. Students compare and contrast similarities between plants and people as they learn what each needs to grow and be healthy. They discover the functions of different parts of plants through hands-on games and activities.

**Wetland Ecology Walk: Focus on Habitats**
**Grades K-3**
What are wetlands? During a guided tour of Foster Island, students discover the purpose and function of wetlands. They investigate wildlife habitats through observations and hands-on activities.

**Wetland Ecology Walk: Focus on Ecosystems**
**Grades 4-8**
Students investigate the complex world of a wetland ecosystem. They discover the importance and function of wetlands through a guided tour of Foster Island featuring hands-on activities, wildlife tracking and scavenger hunts.

**Native Plants and People**
**Grades 3-8**
What is a native plant? Students discover the historical importance of native plants to the Coast Salish people by investigating and identifying northwest native plants. Students will learn how native plants were used in daily life through role playing, discussion and use of artifacts crafted from native plants.

## Self-Guided Pack Programs

**Family Adventure Packs**

Investigate the wonders of the Arboretum with a Family Adventure Pack. Designed for groups of up to 5, Family Adventure Packs include games and activities with easy-to-follow directions, maps, field guides and field equipment. Available year-round from 10 a.m. to 3 p.m. at the Graham Visitors Center Front Desk. $5 fee for two-hour rental; FREE to Arboretum Foundation Members and Arboretum Guides.

**Family Adventure Pack Themes:**

**FAMILY TREE PACK** Investigate the wonders of a living museum. Focus on leaves, buds, flowers, fruit and bark. Learn about pollination by doing it yourself!

**WETLAND WONDERS** Take a safari to Foster and Marsh Islands along the Waterfront Trail. Collect aquatic insects, go on a wetlands scavenger hunt and play games. Pack comes with binoculars!

# arboretum guided tours

Enjoy the seasonal splendor of winter with a guided tour of historic Washington Park Arboretum. Stroll through the Winter Garden with a trained Arboretum guide while enjoying the fragrance of witch hazels and sarcococca and admiring the unusual bark and twigs in the collections. Available for groups of 10 or more. 60 to 90 minute tours are led by trained Arboretum guides. Fees are $3 per person ($2 for Arboretum Foundation members) with $30 mnimum. To reserve a date, phone 206-543-8801; three weeks advanced reservation required.

## Arboretum Explorer Packs

Explore the Arboretum at your own pace with field equipment, activities and games with easy-to-follow directions, scavenger hunts and maps. An excellent idea for teachers, scouts, camps, daycare and other youth groups. Available at the Graham Visitors Center lobby from 10 a.m. to 3 p.m. daily. Suitable for groups of 15-30 children. Appropriate for grades 1-6. A two-hour rental fee is $15. Each pack can accommodate 15-30 students. Advance registration required; call 206-543-8801.

**Explorer Pack Themes:**

**TREE-TECTIVE** Learn amazing facts about trees while exploring the Arboretum. This pack includes hand lenses, magnifiers, field guides, scavenger hunts games and even "tree cookies!"

**MARSH MADNESS** Explore Seattle's largest wetland, Foster Island, through aquatic dips, wildlife identification and games. Investigate the amazing critters and plants that make the wetland their home. This pack includes dip nets, aquaria, bug boxes, field guides, and scavenger hunts.

## Weekend Walks at One

Free weekend walks are offered the first and third Sunday of the month at 1 p.m. The 60 to 90 minute walks, led by trained Arboretum guides, focus on seasonal interest in the Arboretum. Walks depart from Graham Visitors Center. Call ahead to ensure a weekend tour, 206-543-8801.

# events calendar FOR WINTER 2005

## JANUARY

3 Ornithological Society, 7 p.m., CUH
Iris Society, 7:30 p.m., CUH

5 Rhododendron Society, 7:15 p.m., CUH

6 Native Plant Society, 7 p.m., CUH

10 Miller Library opens in the new Merrill Hall, 9 a.m.

12 NHS Lecture, 7 p.m., CUH

16 NW Perennial Alliance, 12 p.m., CUH

18 Rose Society, 7:30 p.m., CUH

19 **Merrill Hall Ribbon Cutting,** 1:30 p.m., CUH

22 **Merrill Hall Open House,** 10 a.m., CUH

27 **Stormwater Symposium**, 8 a.m., CUH

29 Seattle Tree Fruit Society, 9:30 a.m., CUH

## FEBRUARY

2 WA Butterfly Association, 7 p.m., CUH
Rhododendron Society, 7:15 p.m., CUH

3 Native Plant Society, 7 p.m., CUH

7 Ornithological Society, 7 p.m., CUH
Iris Society, 7:30 p.m., CUH
**Miller Library Drop-In Tour,** 7 p.m., CUH

8 PS Mycological Society, 7:30 p.m., CUH

9 Plant Amnesty, 7 p.m., CUH
9-13 NW Flower and Garden Show

15 Rose Society, 7:30 p.m., CUH
**Botanical Illustration-part 1,** 7 p.m., CUH

16 **Rose Pruning Workshop,** 7 p.m., CUH

17 Audubon Society, 7 p.m., CUH

19 **Fruit Tree Grafting,** 9 a.m., CUH

20 Cascade Cactus & Succulent Society, 2 p.m., CUH

22 **All About Roses,** 7 p.m., CUH
**Botanical Illustration-part 2,** 7 p.m., CUH

26 Seattle Fruit Tree Society, 9:30 a.m., CUH
**Arbors and Trellises**, section 1: 10:30 a.m., off-site
section 2: 1:30 p.m., off-site

28 Bonsai Association, 7:30 p.m., CUH

## MARCH

1 **Botanical Illustration-part 3,** 7 p.m., CUH
**Our Watershed Web,** 7 p.m., CUH

2 WA Butterfly Assoc., 7 p.m., CUH
Rhododendron Society, 7:15 p.m., CUH

3 Native Plant Society, 7 p.m., CUH

5 **Rhododendrons for the Urban Garden,** 9 a.m., CUH

7 **Miller Library Drop-In Tour,** 7 p.m., CUH
Ornithological Society, 7 p.m., CUH
Iris Society, 7:30 p.m., CUH

8 **Creating Spaces, 7 p.m.,** CUH
**Botanical Illustration-part 4,** 7 p.m., CUH

9 **Seeking Information Order-Books,** 7 p.m., CUH
NHS Lecture, 7 p.m., CUH

10 **From the Ground Up,** 7 p.m., CUH

12 PS Mycological Society, 7:30 p.m., CUH

15 Rose Society, 7:30 p.m., CUH
**Botanical Illustration-part 5,** 7 p.m., CUH

16 **Seeking Information Order-Periodicals,** 7 p.m., CUH

19 **Fruit Tree Grafting,** 9 a.m., CUH

20 Cascade Cactus & Succulent Society, 2 p.m., CUH

22 **Basic Pruning-Part 1**, 7 p.m., CUH
**Botanical Illustration-part 6,** 7 p.m., CUH

24 **New Plants for NW Gardens,** 7 p.m., CUH

26 **Basic Pruning-Part 2**, 10 a.m., off-site

29 **Botanical Illustration-part 7,** 7 p.m., CUH

# FOR CLASSES AND PROGRAMS

**To Register:** Please complete and return the registration form, along with your payment to the Center for Urban Horticulture. You may also register by phone using Visa or MasterCard, 206-685-8033.

**Refunds:** Requests for refunds on events not attended must be made in advance in writing, by phone, fax, or in person. Requests received fewer than 7 days from the first class meeting have a 25% handling fee deducted. No refunds can be made after the first class meeting. If a program is cancelled for any reason, a full refund will be made to all enrollees. Refunds may take four weeks to process.

**Returned Checks:** A $25 service fee will be charged for returned checks.

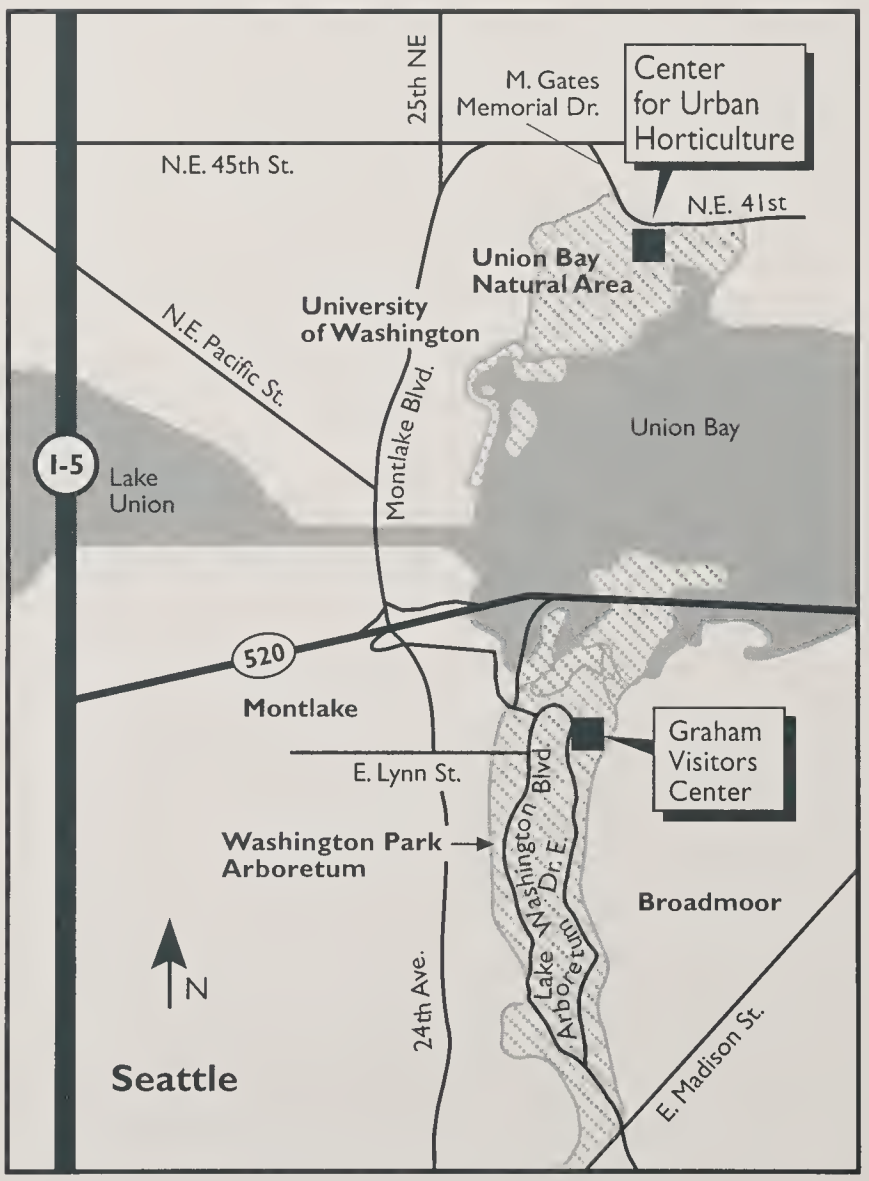
**Special Needs:** To request disability accommodation, please contact the Disability Services Office at least ten days in advance of an event: 206-543-6450 (voice); 206-543-6452 (TTY); or by e-mail at *dso@u.washington.edu.*

**Class Locations and Parking:** Program locations are listed with each program description. The Graham Visitors Center at Washington Park Arboretum is located at 2300 Arboretum Drive East. Douglas Classroom, NHS Hall and the other meeting facilities at Union Bay are located at 3501 N.E. 41st Street. Prepaid parking is located adjacent to the buildings.

## Center for Urban Horticulture

**Union Bay Campus**
3501 NE 41st Street
Box 354115
Seattle, WA 98195-4115
206-543-8616 (phone)
206-685-2692 (fax)
*www.urbanhort.org*

**Washington Park Arboretum**
2300 Arboretum Drive East
Box 358010
Seattle, WA 98195-8010
206-543-8800 (phone)
206-616-2871 (fax)
*www.wparboretum.org*



# REGISTRATION FORM

CENTER FOR URBAN HORTICULTURE FALL 2004

| PROGRAM | FEE | AF MEMBER | # PEOPLE | TOTAL FEE |
|---|---|---|---|---|
| **HORTICULTURE PROGRAMS** | | | | |
| Botanical Illustration, February 15 to April 12 | $225 | $225 | | |
| Rose Pruning Workshop, February 16 | $25 | $22 | | |
| Rhododendrons for the Urban Garden, March 5 | $25 | $22 | | |
| Creating Spaces, March 8 | $25 | $22 | | |
| Seeking Information Order-Books, Videos, March 9 | $10 | $10 | | |
| Seeking Information Order-Periodicals, March 16 | $10 | $10 | | |
| Arbors and Trellises, February 26 AM ☐ PM ☐ | $25 | $22 | | |
| Fruit Tree Grafting, March 19 | $30 | $30 | | |
| Basic Pruning-Part I only, March 22 | $30 | $30 | | |
| Basic Pruning-Part I and Part II, March 22 and 26 | $55 | $55 | | |
| New Plants for NW Gardens, March 24 | $25 | $22 | | |
| **PRACTICAL GARDENING LECTURES** | | | | |
| All About Roses, February 22 | $10 | $10 | | |
| From the Ground Up, March 10 | $10 | $10 | | |
| Our Watershed Web, March 1 | $10 | $10 | | |

**TOTAL FEE** $

## PAYMENT

☐ Check (payable to *University of Washington*) ☐ Visa ☐ MasterCard

CREDIT CARD NUMBER EXPIRATION DATE

NAME ON CARD

## GENERAL INFORMATION

NAME

ADDRESS CITY STATE ZIP

DAY PHONE EVENING PHONE

FAX EMAIL

**Mail payment and registration to:**
Urban Horticulture Courses
University of Washington
Box 354115
Seattle, WA 98195-4115

**You may also register in person at:**
Union Bay campus
3501 NE 41st Street
Mon.–Fri., 8:30 a.m. to 5:00 p.m. or
phone 206-685-8033

***Registrations are filled in the order received. Enrollment is limited. Classes fill rapidly, so register early.***

If you wish to receive electronic copies of this newsletter, please email orbhort@u.washington.edu.

# director's notes

Workers lay concrete paver tiles in the courtyard and Merrill Commons area. Over 690 paver tiles were donated to CUH to help build The Commons.

## UNIVERSITY OF WASHINGTON CENTER FOR URBAN HORTICULTURE

***The CUH mission is "to apply horticulture to natural and human-altered landscapes to sustain natural resources and the human spirit."***

- **Continuing and Public Education**
- **Douglas Research Conservatory**
- **Elisabeth C. Miller Library**
- **Otis Douglas Hyde Herbarium**
- **Undergraduate and Graduate Education**
- **Union Bay Gardens and Natural Area**
- **Rare Plant Care and Conservation**
- **Washington Park Arboretum**


**CENTER FOR URBAN HORTICULTURE**
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Seattle, WA 98195-4115
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*www.urbonhort.org*

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URBAN HORTICULTURE NEWSLETTER, VOL. 22, NO. 1



**CUH/WPA Continuing & Public Education Staff:**
Sue Nicol, Outreach Coordinator
Jean Robins, Program Coordinator
Sandy Kirchner, Assistant Outreach Coordinator
Chris Berry, Education Coordinator (Youth & Community Outreach)
Shawna Zuege, Arboretum Education Program Assistant
Lisa Sanphillippo, Arboretum Education Program Assistant

**CUH/WPA Building & Rentals Management Staff:**
Becky Johnson, CUH Facilities Program Coordinator
Ray Larson, CUH Facilities Coordinator
Brett Mercier, WPA Building Services Coordinator



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